

Climate KIC Summer School 2010

List of potential themes for business plans

Low Carbon Cities

- Transitions from an optimized building to a low-Carbon city: Services, policies and technologies
- Transitions from fleets and niches to smart urban mobility: Services, policies and technologies
- Low-Carbon City living: Integration of behavioural changes across domestic and mobility consumption

Assessing Climate Change and Managing its Drivers

- Climate Services: review of the status quo, identification of gaps, of possible target customers and markets, propositions to develop new services
- Climate Services, from existing to new projects : review, gaps & potential markets
- Carbon accounting : Towards the definition of new markets & products for various scales (local, regional, national)
- Risk-sharing: Towards innovative risk-sharing arrangements that ensure resilience to extreme events and supply of long-term coverage

Adaptive Water Management

- Development of project for water re-use in a particular urban context
- Towards using pervasive sensor networks to make water, energy and/or other environmental fluxes in an urban or agricultural context more efficient
- Developing an integrated cyberinfrastructure (using e.g., near real-time forecasting) in a natural resources management context

Zero Carbon Production Systems

- Propose a general biorefinary system
- Design a zero-carbon farm making the most of urban / agriculture interactions while enhancing ecosystem services (waste and nutrients recycling, production of renewable energy, food, feed, fibre & chemicals, landscape quality, etc..) in a particular context
- Design a virtual power plant that aggregates a set of distributed energy sources through communication technology for the purpose of assimilating the behavior of a large conventional power plant
- 2nd and 3rd generation biomass production